Nitrogen Solubility in Solid Niobium

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The first equation in the abstract should read as follows:

$$\ln \left(\frac{\text{wt pct N}}{\sqrt{P_{\text{N}_2}}} \right) = \frac{23950}{T} - 6.3$$

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Equation [4] should read as follows:

$$\ln \left(\frac{\text{wt pct N}}{\sqrt{P_{\text{N}_2}}} \right) = \frac{23950}{T} - 6.3$$

Table I (Column 3 Head) should read as follows:

Table I. Solubility of Nitrogen in Solid Niobium

Reference	N ppm, 2473 K $P_{\text{N}_2} = 1.0 \text{ Pa}$	$\Delta H_{\text{N}}^{\circ} \times 10^{-3}$ kJ/kg- Atom	$\Delta S_{\text{N}}^{\circ}$ kJ/kg- Atom K
Pemsler ⁽⁴⁾	842*	-179.5*	-45.2*
Cost and Wert ^[5]	944	-193.7	-49.8
Elyutin <i>et al.</i> ^[6,7]	—	-158.2	-46.9
Grunwald <i>et al.</i> ^[8]	602	-178.2	-47.7
This work	952	-199.0	-52.3

*Estimated from the atom pct N vs $\sqrt{P_{\text{N}_2}}$ (mm Hg) plot.